



Peter M. Rooney
Secretary for
Environmental
Protection

California Regional Water Quality Control Board

San Diego Region

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Pete Wilson
Governor

N00247.000714
NTC SAN DIEGO
SSIC NO. 5090.3

November 30, 1998

Mr. Keith Forman
BRAC Environmental Coordinator
BRAC Program Office, Code 05BS.KF
1420 Kettner Boulevard, Suite 501
San Diego, CA 92101-2404

Dear Mr. Forman:

**RE: REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) APPLICABLE
OR RELEVANT AND APPROPRIATE REQUIREMENTS (ARARs) FOR SITE 1
INACTIVE LANDFILL, NAVAL TRAINING CENTER (NTC), SAN DIEGO**

On November 3, 1998, we received your request that the Regional Water Quality Control Board (RWQCB) provide its applicable and relevant and appropriate requirements (ARARs) for Site 1 at Naval Training Center (NTC), San Diego in compliance with Section 121(d) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). In response to your request, we are providing a general list of RWQCB requirements that must be complied with or attained at Site 1. Specific requirements will apply to each of the alternative remedies you are evaluating. We will be available to discuss with you how the RWQCB interprets its requirements as they apply to each of the alternatives. In addition to the ARARs tables provided with this letter, pertinent numeric standards must be included in tables included in the decision document.

As a preliminary matter, I want to point out that the State Water Resources Control Board's and the RWQCB's legal position is that CERCLA Sections 14 and 120(a)(4), not CERCLA Section 121(d), govern the application of state requirements at this facility since it is not listed on the National Priorities List. CERCLA Section 120(a)(4) requires the federal facility to comply with all state laws concerning removal or remedial action, including state laws regarding enforcement. Section 120(a)(4) does not refer to ARARs. We recognize that the Department of the Navy (DON) believes that it is obligated to comply with CERCLA Section 121(d) and the ARARs process. Therefore, in the spirit of cooperation we are responding to your request. By responding to your request, however, we are not conceding that we are bound by CERCLA Section 121 and the ARARs process or state ARARs criteria specified in CERCLA and the National Contingency Plan.

Since, the information you provided concerning the actions you propose to take is not complete, we are unable to provide specific ARARs, but are providing you the potential ARARs based on the information you provided. From this Table you will have to select the appropriate

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requirements for each alternative action. The ARARs process is iterative and as you provide more complete descriptions of your actions, we can assist you in your efforts to more clearly define how each requirement is an ARAR for the specific action you propose.

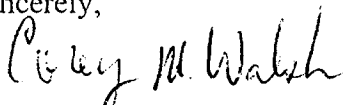
The action the DON proposes to take at this site is to remediate buried solid waste at the inactive landfill for the protection of groundwater and surface water resources. State Water Resources Control Board Resolution 92-49 is an ARAR and requires discharges of waste to be cleaned up to background, or if it is not reasonable to achieve background, to the lowest level that is technically and economically feasible, protects the beneficial uses of waters of the state, and attains the water quality objectives in the applicable water quality control plans. At a minimum, the RWQCB expects the cleanup of the solid waste to result in a level of waste in soil that will not discharge to groundwater at a level greater than the water quality objective.

The action the DON proposes to take will result in modification of the existing landfill cover and/or excavation of the solid waste (non-CERCLA substances). The Naval Training Center (NTC) must obtain waste discharge requirements and possibly an NPDES permit from the San Diego RWQCB. We will evaluate whether the information required in a Report of Waste Discharge is contained in existing reports regarding NTC, or will request the DON to submit a Report of Waste Discharge.

The attached table provides a summary of the statutes, regulations, plans and policies that are the source of State and RWQCB requirements that are applicable or relevant and appropriate (ARAR) or to-be-considered (TBC) for use in the investigation and cleanup on and off-site environmental contamination associated with discharges of waste(s) at Site 1 Inactive Landfill, (also known as the MCRD Landfill) located at NTC, San Diego. As more specific remedial alternatives are developed additional detailed ARAR information can be provided.

If you have any questions regarding the ARARs identified in this letter, please contact me at (619) 467-2980.

Sincerely,



COREY M. WALSH, Associate Engineering Geologist
Site Mitigation and Cleanup Unit

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06-0035.01

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Attachment - Table of State and RWQCB ARARs and TBCs

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cc:

Ms. Content Arnold, Remedial Project Manager, BRAC Operations Office, Code 05BS.CA,
1420 Kettner Blvd. Suite 501, San Diego, CA 92101-2404 **(with attachment)**

Mr. John J. Adams, Jr. State Water Resources Control Board, Division of Clean Water Programs,
2014 T Street, Suite 130, Sacramento, CA 95814 **(with attachment)**

Mr. Martin Kenney, U.S. Fish and Wildlife Service, 2730 Loken Ave. West, Carlsbad, CA
92008 **(with attachment)**

Mr. Martin Hausladen, U.S. EPA, Region IX, (H-9-2), Hazardous Waste Management Division,
75 Hawthorne Street, San Francisco, CA 94105-3901 **(without attachment)**

Mr. Glenn Young, Remediation, Closure and Technical Services, California Integrated Waste
Management Board, 8800 Cal Center Drive, Sacramento, CA 95826-3268 **(without attachment)**

Ms. Stacy Hewitson, California Department of Fish and Game, 4949 View Ridge Ave., San
Diego CA 92123 **(without attachment)**

ARARs for Ground Water Remediation, Site 1 NTC

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#	Source	Standard, Requirement, Criterion, or Limitation	Description	ARARs, or To Be Considered	Comments
1	Porter-Cologne Water Quality Control Act (California Water Code Section 13000 et seq.)	California Water Code Section 13243	The RWQCB may specify certain conditions or areas where the discharge of waste, or certain types of waste, will not be permitted.	Applicable	Applies to groundwater remedial action.
2	Porter-Cologne Water Quality Control Act (California Water Code Sections 13240, 13241, 13242, 13243)	Water Quality Control Plan (Basin Plan) for the San Diego RWQCB.	Establishes water quality objectives, including narrative and numerical standards, that protect the beneficial uses and water quality objectives of surface and ground waters in the region. Describes implementation plans and other control measures designed to ensure compliance with statewide plans and policies and provide comprehensive water quality planning.	Applicable	Specific applicable portions of the Basin Plan include beneficial uses of affected water bodies and water quality objectives to protect those uses. Any activity, including, but not limited to, the discharge of contaminated soils or waters or in-situ treatment or containment of contaminated soils or waters, must not result in actual water quality exceeding water quality objectives.
3	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13304, 13240, 13241, 13242, 13243)	San Diego RWQCB Basin Plan, "Cleanup and Abatement Policy" (Chapter 4)	Establishes and describes policy for investigation and remediation of contaminated sites. Also includes implementation actions for setting groundwater and soil cleanup standard.	Applicable	Cleanup standards for water should be equal to background concentrations unless such levels are technically and economically infeasible to achieve. In such cases, cleanup standards should not exceed applicable water quality objectives.

#	Source	Standard, Requirement, Criterion, or Limitation	Description	ARARs, or To Be Considered	Comments
4	Porter-Cologne Water Quality Control Act (California Water Code Sections 13240, 13241, 13242, 13243)	San Diego RWQCB Basin Plan, "Water Quality Objectives" (Chapter 3)	This policy defines water quality objectives and explains how the Regional Water Board applies numerical and narrative water quality objectives to ensure the reasonable protection of beneficial uses of water and how the Regional Water Board applies Resolution No. 68-16 to promote the maintenance of existing high-quality waters.	Applicable	Applies to groundwater remedial actions.
5	Porter-Cologne Water Quality Control Act (California Water Code Sections 13240, 13241, 13242, 13243)	San Diego RWQCB, Basin Plan, "Regional Board Action Plan on Water Reclamation" (Chapter 4)	Requires applicants for waste discharge requirements and discharge permits to evaluate land disposal as an alternative to discharge to surface waters.	Applicable	Applies to groundwater extracted by groundwater treatment system.
6	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13140, 13263, 13304)	State Water Resources Control Board Resolution No. 68-16 ("Anti-degradation Policy"). [as contained in the RWQCB's Water Quality Control Plan, Chapter 3]	Requires that high quality surface and ground waters be maintained to the maximum extent possible. Degradation of waters will be allowed (or allowed to remain) only if it is consistent with the maximum benefit to the people of the state, does not unreasonably affect present and anticipated beneficial uses, and does not result in water quality less than that prescribed in RWQCB and SWRCB policies. If degradation is allowed, the discharge must meet best practicable treatment or control, which must prevent pollution or nuisance and result in the highest water quality consistent with maximum benefit to the people of the state.	Applicable	Applies to discharges of waste to waters, including discharges to soil that may affect surface or ground waters. In-situ cleanup levels for contaminated ground waters must be set at background level, unless allowing continued degradation is consistent with the maximum benefit of the people of the state. If degradation of waters is allowed, or allowed to remain, the discharge must meet best practical treatment or control standards, and result in the highest water quality possible that is consistent with the maximum benefit to the people of the state. In no case may water quality objectives be exceeded.

#	Source	Standard, Requirement, Criterion, or Limitation	Description	ARARs, or To Be Considered	Comments
7	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13140, 13240, 13260, 13263, 13267, 13300, 13304, 13307)	State Water Resources Control Board Resolution No. 92-49 (As amended April 21, 1994 and October 2, 1996)	Establishes requirements for investigation and cleanup and abatement of discharges. Among other requirements, dischargers must clean up and abate the effects of discharges in a manner that promotes the attainment of either background water quality, or the best water quality that is reasonable if background water quality cannot be restored. Requires the application of Title 23, CCR, Section 2550.4, requirements to cleanups.	Applicable	Applies to groundwater remedial actions.
8	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13140, 13240)	State Water Resources Control Board Resolution No. 88-63 ("Sources of Drinking Water Policy") (as contained in the RWQCB's Water Quality Control Plan)	Specifies that, with certain exceptions, all ground and surface waters must have the beneficial use of municipal or domestic water supply.	Applicable	Applies in determining beneficial uses for waters that may be affected by discharges of waste.
9	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304)	Title 27, CCR, Division 2, Subdivision I (Section 20080 et seq.) Title 23, CCR, Division 3, Chapter 15 (Section 2510 et seq.).	Establishes waste and siting classification systems and minimum waste management standards for discharges of waste to land for treatment, storage, and disposal. Engineered alternatives that are consistent with Title 27/Title 23 performance goals may be considered. Establishes corrective action requirements for responding to discharges to land, including spills and leaks and other unauthorized discharges.	Applicable	The Application of specific sections of Title 27/ Title 23 is discussed below. Provisions of Title 23 apply to hazardous waste and provisions of Title 27 apply to designated and nonhazardous solid waste.

#	Source	Standard, Requirement, Criterion, or Limitation	Description	ARARs, or To Be Considered	Comments
10	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title 27, CCR, Section 20090(d) Title 23, CCR, Section 2511 (d)	Action taken by public agencies to clean up unauthorized releases are exempt from Title 27/ Title 23 provided that wastes removed from immediate place of release and discharged to land must be managed in accordance with classification (Title 27, CCR, Section 20200/ Title 23, CCR, Section 2520) and siting requirements of Title 27 or Title 23 and wastes contained or left in place must comply with Title 27 or Title 23 to the extent feasible.	Applicable	Applies to remediation and monitoring of sites.
11	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title 27, CCR, Section 20400 Title 23, CCR, Section 2550.4.	Concentration limits must be established for groundwater, surface water, and the unsaturated zone. Must be based on background, equal to background, or for corrective actions, may be greater than background, not to exceed the lower of the applicable water quality objective or the concentration technologically or economically achievable. Specific factors must be considered in setting concentration limits above background levels.	Applicable	Applies in setting ground water concentration limits for all discharges of waste to land.
12	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title 27, CCR, Section 20410 (c) Title 23, CCR, Section 2550.6	Requires monitoring for compliance with remedial action objectives for three years from the date of achieving cleanup standards.	Applicable	Applies to groundwater remedial actions.

#	Source	Standard, Requirement, Criterion, or Limitation	Description	ARARs, or To Be Considered	Comments
13	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title 27, CCR, Section 20415 Title 23, CCR, Section 2550.7.	Requires general vadose zone, surface water, and ground water monitoring.	Applicable	Applies to all areas at which waste has been discharged to land.
14	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title, 27, CCR, Section 20425 Title, 23, CCR, Section 2550.9.	Requires an assessment of the nature and extent of the release, including a determination of the spatial distribution and concentration of each constituent.	Applicable	Applies to areas at which monitoring results show statistically significant evidence of a release.
15	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267 13304).	Title 27, CCR, Section 20430 Title 23, CCR Section 2550.10	Requires implementation of corrective action measures that ensure that cleanup levels are achieved throughout the zone affected by the release by removing the waste constituents or treating them in place. Source control may be required. Also requires monitoring to determine the effectiveness of the corrective actions.	Applicable	Applies to groundwater remedial actions.

#	Source	Standard, Requirement, Criterion, or Limitation	Description	ARARs, or To Be Considered	Comments
16	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267 13304).	Title 27, CCR, Section 21090	Requires a final cover constructed in accordance with specific prescriptive standards, to be maintained as long as wastes pose a threat to water quality.	Applicable Relevant & Appropriate	Applies to wastes contained or left in place at the end of remedial actions that could affect water quality. Includes closure of landfills and other areas where wastes have been discharged to land. Relevant and appropriate for "closed, abandoned, or inactive" landfills and other areas where wastes have been discharged to land and water quality is threatened.
17	California Safe Drinking Water Act (California Health & Safety Code Section 4010 et seq.)	Title 22, CCR, Section 64400 et seq.	Requirements for public water systems. Includes Maximum Contaminant Levels (MCLs) and Secondary Maximum Contaminant Levels (SMCLs). State MCLS may be more stringent than the federal MCLs.	Applicable	The act is legally applicable for an aquifer and associated distribution and pre-treatment system that is currently defined as "public water system" If it is only a potential "Public water system," then the act is relevant and appropriate.
18	Staff Report of the RWQCB, Central Valley Region	"A Compilation of Water Quality Goals"	Provides guidance on selecting numerical values to implement narrative water quality objectives contained in the Basin Plan.	To Be Considered	Performance Standard. To be considered in selecting appropriate numerical values to implement the Basin Plan for setting cleanup levels and discharge limits. The numerical values contained in the staff report may be ARAR's, or Performance Standards, depending on the source of the values.

ARARs for Soil Remediation, Site 1 NTC

November 25, 1998

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
1	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13240, 13241, 13242, 13243)	Water Quality Control Plan for the San Diego - Region 9 RWQCB (Basin Plan).	Applicable	Establishes water quality objectives, including narrative and numerical standards, that protect the beneficial uses of surface and ground waters in the region. Describes implementation plans and other control measures designed to ensure compliance with statewide plans and policies and provide comprehensive water quality planning. Also includes implementation actions for setting soil cleanup levels for soils which threaten water quality.	Specific applicable portions of the Basin Plan include beneficial uses of affected water bodies and water quality objectives to protect those uses. Any activity, including, for example, a new discharge of contaminated soils or in-situ treatment or containment of contaminated soils, that may affect water quality must not result in water quality exceeding water quality objectives. Implementation plans and other policies and requirements may also apply.
2	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13304, 13240, 13241, 13242, 13243)	San Diego RWQCB Basin Plan, "Cleanup and Abatement Policy"	Applicable	Establishes and describes policy for investigation and remediation of contaminated sites. Also includes implementation actions for setting groundwater and soil cleanup levels.	Cleanup levels for soils should be equal to levels that would achieve background concentrations in groundwater unless such levels are technically and economically infeasible to achieve. In such cases, soil cleanup levels are such that groundwater will not exceed applicable groundwater quality objectives.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
3	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13140, 13263, 13304)	State Water Resources Control Board Resolution No. 68-16 ("Antidegradation Policy")	Applicable	Requires that high quality surface and ground waters be maintained to the maximum extent possible. Degradation of waters will be allowed (or allowed to remain) only if it is consistent with the maximum benefit to the people of the state, will not unreasonably affect present and anticipated beneficial uses, and will not result in water quality less than that prescribed in RWQCB and SWRCB policies. If degradation is allowed, the discharge must meet best practicable treatment or control, which must prevent pollution or nuisance and result in the highest water quality consistent with maximum benefit to the people of the state.	Applies to discharges of waste to waters, including discharges to soil that may affect surface or ground waters. In-situ cleanup levels for contaminated soils must be set so that ground waters will not be degraded, unless degradation is consistent with the maximum benefit of the people of the state. If degradation is allowed, the discharge must meet best practical treatment or control, and result in the highest water quality possible consistent with the maximum benefit to the people of the state. In no case may water quality objectives be exceeded.
4	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13140, 13240, 13260, 13263, 13267, 13300, 13304, 13307)	State Water Resources Control Board Resolution No. 92-49 (As amended April 21, 1994)	Applicable	Establishes requirements for investigation and cleanup and abatement of discharges. Among other requirements, dischargers must clean up and abate the effects of discharges in a manner that promotes the attainment of either background water quality, or the best water quality that is reasonable if background water quality cannot be restored. Requires the application of Title 23, CCR, Section 2550.4 requirements to cleanups.	Applies to all cleanups of discharges that may affect water quality.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
5	Porter-Cologne Water Quality Control Act (California Water Code Sections 13000, 13140, 13240)	State Water Resources Control Board Resolution No. 88-63 ("Sources of Drinking Water Policy") (as contained in the RWQCB's Water Quality Control Plan)	Applicable	Specifies that, with certain exceptions, all ground and surface waters have the beneficial use of municipal or domestic water supply.	Applies in determining beneficial uses for waters that may be affected by dischargers of waste.
6	Staff Report of the RWQCB, Central Valley Region.	"The Designated Level Methodology for Waste Classification and Cleanup Level Determination"	To Be Considered	Provides guidance on how to classify wastes according to Title 27, CCR, Division 2. Subdiv. 1/ Title 23, CCR, Division 3, Chapter 15, Article 10	Performance standard to be considered in determining the classification of wastes and contaminated soils.
7	Staff Report of the RWQCB, Central Valley Region.	"A Compilation of Water Quality Goals"	To Be Considered	Provides guidance on selecting numerical values to implement narrative water quality objectives contained in the Basin Plan.	Performance standard to be considered in selecting appropriate numerical values to implement the Basin Plan for setting cleanup levels and discharge limits. The numerical values contained in the staff report may be applicable, relevant and appropriate, or to be considered, depending on the source of the values.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
8	Porter-Cologne Water Quality Control Act (California Water Code Sections 13170)	"California Enclosed Bays and Estuaries Plan" (May 1993)	To Be Considered	The California Enclosed Bay and Estuaries Plan has established numerical water quality objectives, although the Plan has not been officially promulgated. These water quality objectives should be applied at the point where groundwater discharges to the San Diego Bay or Boat Channel.	Provides guidance on selecting numerical values to implement for the protection of human health and saltwater quality life.
9	Porter-Cologne Water Quality Control Act (California Water Code Sections 13170) Federal Clean Water Act, Section 303(c)(2)(B)	"Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays and Estuaries of California"	To Be Considered	The proposed Policy is to establish statewide implementation provisions for priority pollutant standards, and statewide toxicity control provisions.	The proposed Policy will effect entities who discharge to the State's non-ocean surface waters.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
10	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304)	Title 27, California Code of Regulations (CCR), Division 2, Subdiv. 1 (Section 20080 et seq.), Title 23, CCR, Division 3, Chapter 15, (Section 2510 et seq.)	Applicable	Establishes waste and siting classification systems and minimum waste management standards for discharges of waste to land for treatment, storage, and disposal. Engineered alternatives that are consistent with Title 27/ Title 23 performance goals may be considered. Establishes corrective action requirements for responding to leaks and other unauthorized discharges.	Applies to all discharges of waste to land for treatment, storage, or disposal that may affect water quality. The application of some of the specific sections of Title 27/ Title 23 to different situations is discussed below. Provisions of Title 23 apply to hazardous waste and provisions of Title 27 apply to designated and non-hazardous waste.
11	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13269).	Title 23, CCR, Section 2521	Applicable	Requires that hazardous waste be discharged to Class I waste management units that meet certain design and monitoring standards.	Applies to discharges of hazardous waste to land for treatment, storage or disposal.
12	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13269).	Title 27 CCR, Section, 20210; Title 23 CCR, Section 2522	Applicable	Requires that designated waste be discharged to Class I or Class II waste management units.	Applies to discharges of designated waste (nonhazardous waste that could cause degradation of surface or ground waters) to land for treatment, storage, or disposal.
13	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147	Title 27 CCR, Section 20230; Title 23 CCR, Section 2524	Applicable	Requires that inert waste does not need to be discharged at classified units	Applies to discharges of inert waste to land for treatment, storage, or disposal.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
14	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13269).	Title 27 CCR, Section 20220; Title 23 CCR, Section 2523	Applicable	Requires that nonhazardous solid waste be discharged to a classified waste management unit.	Applies to discharges of nonhazardous solid waste to land for treatment, storage, or disposal.
15	Porter-Cologne Water Quality Control Act (California Water Code Sections 13260, 13263, 13370.5, 13372, 13373, 13374, 13375, 13376, 13377, 13383).	40 CFR Parts 122, 123, 124, National Pollution Discharge Elimination System, implemented by California Storm water Permit for Industrial Activities, State Water Resources Control Board Order #97-03 DWQ.	Applicable	Regulates pollutants in discharge of storm water associated with hazardous waste treatment, storage, and disposal facilities, wastewater treatment plants, landfills, land application sites, and open dumps. Requirements to ensure storm water discharges do not contribute to a violation of surface water quality standards.	Applies to storm water discharges from industrial areas. Includes measures to minimize and/or eliminate pollutants in storm water discharges and monitoring to demonstrate compliance.
16	Porter-Cologne Water Quality Control Act (California Water Code Sections 13260, 13263, 13370.5, 13372, 13373, 13374, 13375, 13376, 13377, 13383).	40 CFR Parts 122, 123, 124, National pollution discharge elimination system, implemented by State Water Resources Control Board Order No. 92-08 DWQ	Applicable	Regulates pollutants in discharge of storm water associated with construction activity (clearing, grading, or excavation) involving the disturbance of 5 acres or more. Requirements to ensure storm water discharges do not contribute to a violation of surface water quality standards.	Applies to construction areas over 5 acres in size. Includes measures to minimize and/or eliminate pollutants in storm water discharges and monitoring to demonstrate compliance.
17	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267	Title 27 CCR, Section 20080(g); Title 23 CCR, Section 2510	Applicable	Requires monitoring. If water quality is threatened, corrective action consistent with Title 27, Article 5/Title 23 is required	Applies to areas of land where discharges had ceased as of November 27, 1984 (the effective date of the revised Title 27/ Title 23 regulations).

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
18	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title 27 CCR, Section 20090(d); Title 23 CCR, Section 2511	Applicable	Actions taken by public agencies to cleanup unauthorized releases are exempt from title 27/ Title 23 accept that wastes removed from immediate place of release and discharged to land must be managed in accordance with classification (Title 27 CCR, Section 20200/ Title 23 CCR, Sections 2520) and siting requirements of Title 27 or Title 23 and wastes contained or left in place must comply with Title 27 or Title 23 to the extent feasible.	Applies to remediation and monitoring of sites.
19	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13269).	Title 27 CCR, Section 20200(c); Title 23 CCR, Section 2520	Applicable	Requires characterization of wastes, including determinations of whether or not wastes will be compatible with containment features and other wastes at a waste management unit, and whether wastes are required to be managed as hazardous wastes under Title 22.	Applies to the classification of solid wastes and it's discharge to land for treatment, storage, or disposal.
20	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 1323, 13269).	Title 27 CCR, Section 21400; Title 23 CCR, Section 2582	Applicable	Requires surface impoundments to be closed by removing and treating all free liquid and either removing all remaining contamination or closing the surface impoundment as a landfill.	If water quality is threatened, this section is relevant and appropriate for natural topographic depressions, excavations, and diked areas where wastes containing free liquids were discharged.
21	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267	Title 27 CCR, Art.1, Sections 20385-20435; Title 23 CCR, Section 2550	Applicable	Where groundwater monitoring is required under 2510 or 2511 of Chap. 15 (and equivalent for Title 27), Article 5 applies to authorized waste management units as well as unauthorized discharges of waste to land and to closed abandoned or inactive units.	Applies to all areas in which waste has been discharged to land to determine the threat to water quality.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
22	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260 13263, 13267, 13269).	Title 27 CCR, Section 20385; Title 23 CCR, Section 2550.1	Applicable	Requires detection monitoring. Once a significant release has occurred, an evaluation monitoring program to evaluate horizontal and vertical extent of contamination is required to be developed. A corrective action plan will also be required.	Applies to all areas in which waste has been discharged to land to determine the threat to water quality.
23	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260 13263, 13267, 13269).	Title 27 CCR, Section 20390; Title 23 CCR, Section 2550.2	Applicable	Requires establishment of a water quality protection standard consisting of a list of constituents of concern, concentration limits, compliance monitoring points and all monitoring points. This section further specifies the time period that the standard shall apply.	Applies to all areas in which waste has been discharged to land where groundwater is threatened.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
24	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260 13263, 13267, 13269).	Title 27 CCR, Section 20395; Title 23 CCR, Section 2550.3	Applicable	Requires development of a list of constituents of concern which include all waste constituents, that are reasonably expected to be present in the soil from discharges to land, and could adversely effect water quality.	Applies to all areas in which waste has been discharged to land where groundwater is threatened.
25	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260 13263, 13267, 13269).	Title 27 CCR, Section 20400; Title 23 CCR, Section 2550.4	Applicable	Cleanup levels must be set at background concentration levels, or, if background levels are not technologically and economically feasible, then at the lowest levels that are economically and technologically feasible. Specific factors must be considered in setting cleanup levels above background levels. Cleanup levels above background levels shall be evaluated every five years. If the actual concentration of a constituent is lower than its associated cleanup level, the cleanup level shall be lowered to reflect existing water quality.	If water quality is threatened, this section applies in setting soil cleanup levels for all cleanups of discharges of waste to land.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
26	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20405; Title 23 CCR, Section 2550.5	Applicable	Requires identification of the point of compliance, hydraulically down gradient from the area where waste was discharged to land.	Applies to all areas in which waste has been discharged to land where groundwater is threatened.
27	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20410; Title 23 CCR, Section 2550.6	Applicable	Requires monitoring for compliance with concentration limits for three years from the date of achieving cleanup levels.	Applies to all soil cleanup activities.
28	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20415; Title 23 CCR, Section 2550.7	Applicable	Requires general soil, surface water, and ground water monitoring.	Applies to all areas in which waste has been discharged to land.
29	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20420; Title 23 CCR, Section 2550.8	Applicable	Requires detection monitoring to determine if a release has occurred.	Applies to all areas where waste has been discharged to land and groundwater is threatened.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
30	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20425; Title 23 CCR, Section 2550.9	Applicable	Requires an assessment of the nature and extent of the release, including a determination of the spatial distribution and concentration of each constituent.	Applies to sites at which monitoring results show statistically significant evidence of a release.
31	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20430; Title 23 CCR, Section 2550.10	Applicable	Requires implementation of corrective action measures that ensure that cleanup levels are achieved throughout the zone affected by the release by removing the waste constituents or treating them in place. Source control may be required. Also requires monitoring to determine the effectiveness of the corrective actions.	If water quality is threatened, this section applies to all soil cleanup activities.
32	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269).	Title 27 CCR, Section 20950; 22207(a); 22212(a), and 22222 Title 23 CCR, Section 2550.0(b); 2580	Applicable	General closure requirements, including continued maintenance of waste containment, drainage controls, and groundwater monitoring throughout the closure and post-closure maintenance periods.	Applies to partial or final closure of waste management units.

#	Source	Standard, Requirement, Criterion, or Limitation	ARARs, or To Be Considered	Description	Comments
33	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13269	Title 27 CCR, Section 21090; Title 23 CCR, Section 2581	Applicable	Requires a final cover for landfills constructed in accordance with specific prescriptive standards, to be maintained as long as wastes pose a threat to water quality.	If water quality is threatened, this section is relevant and appropriate for wastes contained or left in place at the end of remedial actions that could affect water quality. Includes closure of landfills and other areas where wastes have been discharged to land.
34	Porter-Cologne Water Quality Control Act (California Water Code Sections 13140-13147, 13172, 13260, 13263, 13267, 13304).	Title 27 CCR, Section 20080 (d); Title 23 CCR, Section 2510(d)	Applicable	Requires closure of existing waste management units according to Title 27, Article 8/Title 23 Article 8.	Applies to "existing" waste management units (i.e., areas where waste was discharged to land on or before 27 November 1984, but that were not closed, abandoned, or inactive prior to that date).